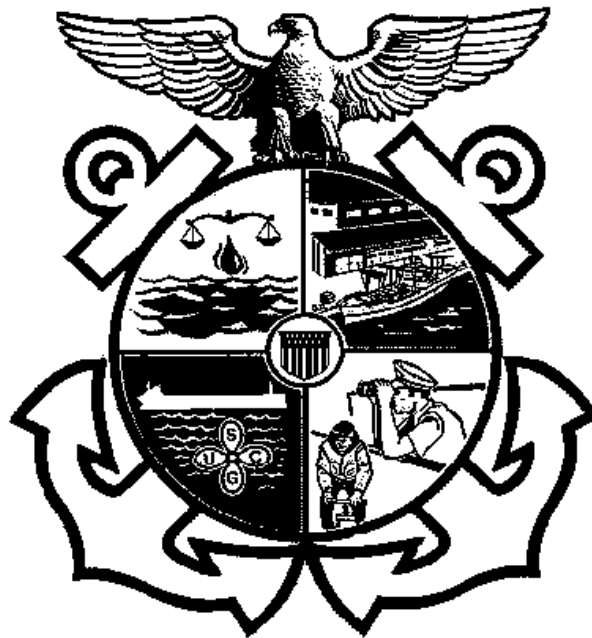

Foreign Tank Vessel Inspector (TV)



PQS Workbook

TV Qualification Task Matrix

TSK #	TASK	DATE
AC03	Inspect berthing accommodations for compliance with ILO 147.	
CS13	Examine foreign flag vessel's IGS/COW operation/equipment manual.	
DD05	During a foreign vessel examination, evaluate shell plating for damage.	
DD30	During a foreign vessel exam, conduct inspection of internal structures.	
ES01	Inspect switchboards.	
ES02	Inspect ship's service generators.	
ES04	Inspect emergency generators.	
ES05	Inspect battery installation.	
FF03	Examine fixed gas firefighting system servicing report.	
FF12	Inspect fire main and fire stations during foreign vessel exam.	
II02	During a foreign vessel exam, review vessel documents and papers.	
II10	Determine if vessel has any outstanding conditions of class.	
LS03	During foreign vessel exam, determine lifesaving equipment required.	
MI03	Determine if additional requirements for TV steering systems are met.	
MI13	Inspect the diesel installation and assembly.	
MI16	Inspect air starting systems.	
MI17	Inspect hydraulic starting systems.	
MI18	Inspect electric starting systems.	
PP01	Inspect pollution prevention equipment and documentation.	
RT04	Complete HT qualification.	

Trainee's OJT Manual has been reviewed and I recommend a training qualification board be scheduled.

Training Officer: _____

Date: _____

Date Qualification Board Completed: _____

TV Tasks

<u>Task Number</u>	<u>OJT Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>
AC03	Inspect berthing accommodations for compliance with ILO 147. <ul style="list-style-type: none"> • Protection against weather and sea • Minimal steam supply and exhaust piping • Sufficient drainage • Adequate ventilation • Heating system • Adequate lighting • Sleeping quarters located above the load line • Required floor area per person • No direct openings to cargo, machinery, galley, or storeroom • Clear headroom • Number of persons per room meets requirements • Each crew member has own berth • Berths arranged, constructed, and sized properly • Rooms outfitted with table or desk, mirror, small cabinet, book rack, coat hooks, and locker 	_____	_____
CS13	Ensure that foreign vessel has an IGS/COW operations and equipment manual on board that meets the criteria of the regulations.	_____	_____
DD05	During a foreign vessel examination, evaluate shell plating for damage.	_____	_____
DD30	During a foreign vessel exam, conduct inspection of internal structures.	_____	_____
ES01	Inspect switchboards. <ul style="list-style-type: none"> • Nonconductive mat on deck in front of board • Nonconductive rails on board face • Nonconductive rails at the rear and sides • Dripshield on the board's top • Ground detection indicators working with no grounds indicated • Meters calibrated and working • Synchronizing controls working • Identification for controls and meters • Area is dry and clean • Working space is provided in accordance with regulations • Overcurrent protection properly labeled 	_____	_____

TV Tasks

<u>Task Number</u>	<u>OJT Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>
ES02	Inspect ship's service generators. <ul style="list-style-type: none"> Generators of a size or arrangement which require overspeed trips Operational test of overspeed trips and alarms within specified limits If the DC or AC generators operate in parallel, are the reverse power/current trips working Guards installed around rotating or live machinery Discoloration from overheating apparent Filters on air intakes working to keep internals free from dust and dirt Windings oily or dirty Odd bearing noises present Voltage regulated within limits specified by CFR Working diesel low lube oil pressure trip and alarms Working high temperature detectors and alarms for AC generators Nameplates properly in place 	_____	_____
ES04	Inspect emergency generator. <ul style="list-style-type: none"> Means of starting is provided The following alarms/shutdowns are operable: <ul style="list-style-type: none"> Low lube oil pressure High cooling water temperature Overspeed Fixed firefighting system shutdown The generator auto-start circuit functions and the generator can power its full-rated load within 20 seconds and accept the final emergency load within 45 seconds of loss of the normal power supply Independent fuel supply is provided, with remote shut-off valve installed and properly marked 	_____	_____
ES05	Inspect emergency batteries. <ul style="list-style-type: none"> Size of installation and required ventilation Battery box is properly lined Batteries are secure in the trays Adequate space is provided over the cells A means of charging is provided Conductor overcurrent protection is provided Ventilation/charger interlocked 	_____	_____
FF03	Examine fixed gas firefighting system servicing report.	_____	_____

TV Tasks

<u>Task Number</u>	<u>OJT Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>
FF12	Inspect fire main and fire stations during a foreign vessel exam. <ul style="list-style-type: none"> • Fire hoses meet acceptable standards • Equipment provided at each required fire station pursuant to regulations • Fire hoses serviceable after hydro testing • Valves at fire stations operable • Fire main(s), hose(s), and equipment compatible at each station • Markings correct 	_____	_____
II02	During a foreign vessel exam, review vessel documents listed in MSIS and VFLD and papers.	_____	_____
II10	Determine if vessel has any outstanding conditions of class.	_____	_____
LS03	During a foreign vessel exam, determine amount and type of lifesaving equipment required. <ul style="list-style-type: none"> • SOLAS 	_____	_____
MI03	Determine if additional requirements for tank vessel steering systems are met. <ul style="list-style-type: none"> • For tank vessels 10,000 GT or greater • For tank vessels 40,000 GT or greater 	_____	_____
MI13	Inspect the diesel installation and assembly, paying particular attention to the following: <ul style="list-style-type: none"> • Crankcase explosion covers • Fuel and lube oil fittings (checking for leakage) • Instrumentation • Gratings and rails around the engine • Guards over rotating machinery • Exhaust system: <ul style="list-style-type: none"> – Leaks – Lagging – Proximity of combustible material or walkways – Water cooling system – Bulkhead penetrations • Engine foundations and tank top's structural condition • Air intakes • Crankcase vents (clear) 	_____	_____

TV Tasks

<u>Task Number</u>	<u>OJT Task</u>	<u>Date Completed</u>	<u>Verifying Officer</u>
MI16	Inspect air starting systems. <ul style="list-style-type: none"> • Air receivers • Piping • Compressors 	_____	_____
MI17	Inspect hydraulic starting systems. <ul style="list-style-type: none"> • Pumps and strainers • Piping • Accumulators 	_____	_____
MI18	Inspect electrical starting systems.	_____	_____
PP01	Inspect pollution prevention equipment and documentation. <ul style="list-style-type: none"> • Discharge containment in place and of the proper type and size for cargo, fuel, or lube oil, as needed • Slop tank provided and located in accordance with regulations • Pump, fixed or portable piping system(s), valve(s), and controls, as the regulation apply to vessel in question, are provided to remove dirty oil and bilge slops • Pump, fixed piping, valve(s), and controls are provided for combined fuel and ballast tank(s) as needed and where specified by regulation • Oily water separator installed properly and functions correctly • Oil discharge prohibition placard is placed at the bilge and ballast manifold and/or in each machinery space • No fuel or dirty oil is carried in a prohibited oil space except as specified by regulation • Proper documentation for the person(s) assigned to vessel who deal directly with oil transfer to and from vessel • Required transfer procedures are correct, complete, and available to assigned personnel as required • Emergency shutdown system(s) function properly • Adequate communication between participants in transfer operations and sufficient lighting at critical work stations are provided where specified by regulation. • Required records for tests and inspections of oil transfer hoses and equipment and declarations of inspection are available, current and correct, where required • Scupper plugs are available for use during oil transfer operations 	_____	_____
RT04	Complete HT qualification.	_____	_____

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across the entire width of the page, providing a guide for writing. The background is a solid off-white color. There are no margins, text, or other markings present.

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across the entire width of the page, providing a guide for handwriting or typing. The background is a solid off-white color.

[illegible]